

## REMARKS

By this amendment, claims 1, 3, 4, 6, 9, 12, 20, 21, 22, 24, 29, 32, 34, 35, 39, 42, 44, and 46 have been amended, and claim 5 has been cancelled. New claims 47 to 53 have been added. Claims 1 to 4 and 6 to 53 are in the case.

Minor amendments have been made throughout the claims to improve clarity. In addition:

Claim 1 has been amended to recite a method for detecting presence of an organism having at least one enzyme in sample, and to incorporate subject matter from original claims 5 and 6;

Claims 20 and 21 now refer back to claim 19, so as to provide antecedent basis for the term "enzyme";

Claim 24 has been amended to recite a system for detecting presence of an organism having at least one enzyme in a sample;

Claim 42 has been amended to recite that the partitioning element is a solid (see, for example, page 16, lines 30 to 36, and page 17, line 33 to page 18, line 5 of the description).

Claims 47 and 48 have been added, support for which may be found at, for example, page 25, lines 9 to 11 and 29 to 30, and page 26, lines 8 to 21;

Claim 49 has been added; it is based on original claims 1, 4, 5, and 6, and, for example, the description at page 10, lines 5 to 7; and

Claims 50 to 53 have been added as depending from claim 49; these claims parallel current claims 6, 7, 10, and 11.

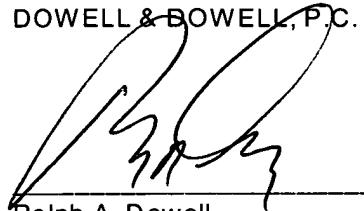
The claim amendments are fully supported by the disclosure and claims of record. Entry of this amendment is respectfully requested.

A Fee Transmittal in respect of the extra claims fees resulting from this amendment, in which one independent claim and five dependent claims were added, is attached.

Should the Examiner believe that a personal communication will expedite the prosecution of this application, he is invited to telephone the undersigned at the number provided below.

Respectfully submitted,

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